

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

10/764,415B

Source:

1FW0

Date Processed by STIC:

11/18/04

# ***ENTERED***

# CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/764,415B

CRF Edit Date: 11/23/04  
Edited by: AK

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

Corrected the SEQ ID NO. Sequence numbers edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

Inserted mandatory headings/numeric identifiers, specifically:

Moved responses to same line as heading/numeric identifier, specifically:

Other:

Sequence 1 - replaced "N" on <223> lines with "Xaa";  
Sequence 3 - <223> line for location 18 - replaced "of" with "or";  
Sequence 3 - <222> line for Xaa at locations 41, 42 - replaced  
"40" with "41"

Revised 09/09/2003



IFWO

## RAW SEQUENCE LISTING

DATE: 11/23/2004

PATENT APPLICATION: US/10/764,415B

TIME: 11:55:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11232004\J764415B.raw

5 <110> APPLICANT: Lorantis Ltd.  
 9 <120> TITLE OF INVENTION: Modulations of Notch signalling for use in Immunotherapy  
 13 <130> FILE REFERENCE: P011073US  
 17 <140> CURRENT APPLICATION NUMBER: 10/764,415B  
 C--> 19 <141> CURRENT FILING DATE: 2004-01-23  
 23 <150> PRIOR APPLICATION NUMBER: GB0118153.6  
 25 <151> PRIOR FILING DATE: 2001-07-01  
 29 <150> PRIOR APPLICATION NUMBER: GB0207930.9  
 31 <151> PRIOR FILING DATE: 2002-04-05  
 35 <150> PRIOR APPLICATION NUMBER: GB0212283.6  
 37 <151> PRIOR FILING DATE: 2002-05-28  
 41 <150> PRIOR APPLICATION NUMBER: GB0212282.8  
 43 <151> PRIOR FILING DATE: 2002-05-28  
 47 <160> NUMBER OF SEQ ID NOS: 40  
 51 <170> SOFTWARE: PatentIn version 3.0  
 55 <210> SEQ ID NO: 1  
 57 <211> LENGTH: 43  
 59 <212> TYPE: PRT  
 61 <213> ORGANISM: Artificial Sequence  
 65 <220> FEATURE:  
 67 <223> OTHER INFORMATION: DSL domain consensus  
 69 <220> FEATURE:  
 71 <221> NAME/KEY: MISC\_FEATURE  
 73 <222> LOCATION: (2)..(9)  
 75 <223> OTHER INFORMATION: Xaa is any amino acid residue  
 79 <220> FEATURE:  
 81 <221> NAME/KEY: MISC\_FEATURE  
 83 <222> LOCATION: (11)..(13)  
 85 <223> OTHER INFORMATION: Xaa is any amino acid residue  
 89 <220> FEATURE:  
 91 <221> NAME/KEY: MISC\_FEATURE  
 93 <222> LOCATION: (15)..(25)  
 95 <223> OTHER INFORMATION: Xaa is any amino acid residue  
 99 <220> FEATURE:  
 101 <221> NAME/KEY: MISC\_FEATURE  
 103 <222> LOCATION: (27)..(33)  
 105 <223> OTHER INFORMATION: Xaa is any amino acid residue  
 109 <220> FEATURE:  
 111 <221> NAME/KEY: MISC\_FEATURE  
 113 <222> LOCATION: (35)..(42)  
 115 <223> OTHER INFORMATION: Xaa is any amino acid residue  
 119 <400> SEQUENCE: 1  
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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11232004\J764415B.raw

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122 1          5          10          15
124 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
125          20          25          30
127 Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
128          35          40
130 <210> SEQ ID NO: 2
132 <211> LENGTH: 43
134 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
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146 <221> NAME/KEY: MISC_FEATURE
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150 <223> OTHER INFORMATION: X is any amino acid residue
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156 <221> NAME/KEY: MISC_FEATURE
158 <222> LOCATION: (5)..(6)
160 <223> OTHER INFORMATION: X is any aromatic amino acid residue
164 <220> FEATURE:
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168 <222> LOCATION: (7)..(9)
170 <223> OTHER INFORMATION: X is any amino acid residue
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176 <221> NAME/KEY: MISC_FEATURE
178 <222> LOCATION: (11)..(13)
180 <223> OTHER INFORMATION: X is any amino acid residue
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188 <222> LOCATION: (15)..(15)
190 <223> OTHER INFORMATION: X is any basic amino acid residue
194 <220> FEATURE:
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198 <222> LOCATION: (16)..(16)
200 <223> OTHER INFORMATION: X is any non polar amino acid residue
204 <220> FEATURE:
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208 <222> LOCATION: (17)..(17)
210 <223> OTHER INFORMATION: X is any basic amino acid residue
214 <220> FEATURE:
216 <221> NAME/KEY: MISC_FEATURE
218 <222> LOCATION: (18)..(19)
220 <223> OTHER INFORMATION: X is Asp, Asn, Glu or Gln
224 <220> FEATURE:
226 <221> NAME/KEY: MISC_FEATURE
228 <222> LOCATION: (20)..(20)
230 <223> OTHER INFORMATION: X is any amino acid residue
234 <220> FEATURE:
236 <221> NAME/KEY: MISC_FEATURE
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## RAW SEQUENCE LISTING

DATE: 11/23/2004

PATENT APPLICATION: US/10/764,415B

TIME: 11:55:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11232004\J764415B.raw

238 <222> LOCATION: (21)..(21)  
240 <223> OTHER INFORMATION: X is any aromatic amino acid residue  
244 <220> FEATURE:  
246 <221> NAME/KEY: MISC\_FEATURE  
248 <222> LOCATION: (22)..(22)  
250 <223> OTHER INFORMATION: X is any non polar amino acid residue  
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256 <221> NAME/KEY: MISC\_FEATURE  
258 <222> LOCATION: (23)..(23)  
260 <223> OTHER INFORMATION: X is any aromatic amino acid residue  
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266 <221> NAME/KEY: MISC\_FEATURE  
268 <222> LOCATION: (24)..(25)  
270 <223> OTHER INFORMATION: X is any amino acid residue  
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276 <221> NAME/KEY: MISC\_FEATURE  
278 <222> LOCATION: (27)..(29)  
280 <223> OTHER INFORMATION: X is any amino acid residue  
284 <220> FEATURE:  
286 <221> NAME/KEY: MISC\_FEATURE  
288 <222> LOCATION: (30)..(30)  
290 <223> OTHER INFORMATION: X is any non polar amino acid residue  
294 <220> FEATURE:  
296 <221> NAME/KEY: MISC\_FEATURE  
298 <222> LOCATION: (31)..(33)  
300 <223> OTHER INFORMATION: X is any amino acid residue  
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306 <221> NAME/KEY: MISC\_FEATURE  
308 <222> LOCATION: (35)..(36)  
310 <223> OTHER INFORMATION: X is any amino acid residue  
314 <220> FEATURE:  
316 <221> NAME/KEY: MISC\_FEATURE  
318 <222> LOCATION: (38)..(38)  
320 <223> OTHER INFORMATION: X is any aromatic amino acid residue  
324 <220> FEATURE:  
326 <221> NAME/KEY: MISC\_FEATURE  
328 <222> LOCATION: (37)..(37)  
330 <223> OTHER INFORMATION: X is any non polar amino acid residue  
334 <220> FEATURE:  
336 <221> NAME/KEY: MISC\_FEATURE  
338 <222> LOCATION: (39)..(39)  
340 <223> OTHER INFORMATION: X is any amino acid residue  
344 <220> FEATURE:  
346 <221> NAME/KEY: MISC\_FEATURE  
348 <222> LOCATION: (40)..(40)  
350 <223> OTHER INFORMATION: X is any non polar amino acid residue  
354 <220> FEATURE:  
356 <221> NAME/KEY: MISC\_FEATURE  
358 <222> LOCATION: (41)..(42)

## RAW SEQUENCE LISTING

DATE: 11/23/2004

PATENT APPLICATION: US/10/764,415B

TIME: 11:55:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11232004\J764415B.raw

360 &lt;223&gt; OTHER INFORMATION: X is any amino acid residue

364 &lt;400&gt; SEQUENCE: 2

W--&gt; 366 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa

367 1 5 10 15

369 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa

370 20 25 30

372 Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys

373 35 40

375 &lt;210&gt; SEQ ID NO: 3

377 &lt;211&gt; LENGTH: 43

379 &lt;212&gt; TYPE: PRT

381 &lt;213&gt; ORGANISM: Artificial Sequence

385 &lt;220&gt; FEATURE:

387 &lt;223&gt; OTHER INFORMATION: DSL consensus

389 &lt;220&gt; FEATURE:

391 &lt;221&gt; NAME/KEY: misc\_feature

393 &lt;222&gt; LOCATION: (2)..(4)

395 &lt;223&gt; OTHER INFORMATION: X is any amino acid residue

399 &lt;220&gt; FEATURE:

401 &lt;221&gt; NAME/KEY: misc\_feature

403 &lt;222&gt; LOCATION: (7)..(9)

405 &lt;223&gt; OTHER INFORMATION: X is any amino acid residue

409 &lt;220&gt; FEATURE:

411 &lt;221&gt; NAME/KEY: misc\_feature

413 &lt;222&gt; LOCATION: (11)..(13)

415 &lt;223&gt; OTHER INFORMATION: X is any amino acid residue

419 &lt;220&gt; FEATURE:

421 &lt;221&gt; NAME/KEY: misc\_feature

423 &lt;222&gt; LOCATION: (18)..(18)

425 &lt;223&gt; OTHER INFORMATION: X is either aspartic acid or asparagine

429 &lt;220&gt; FEATURE:

431 &lt;221&gt; NAME/KEY: misc\_feature

433 &lt;222&gt; LOCATION: (20)..(20)

435 &lt;223&gt; OTHER INFORMATION: X is any amino acid residue

439 &lt;220&gt; FEATURE:

441 &lt;221&gt; NAME/KEY: misc\_feature

443 &lt;222&gt; LOCATION: (24)..(25)

445 &lt;223&gt; OTHER INFORMATION: X is any amino acid residue

449 &lt;220&gt; FEATURE:

451 &lt;221&gt; NAME/KEY: misc\_feature

453 &lt;222&gt; LOCATION: (27)..(29)

455 &lt;223&gt; OTHER INFORMATION: X is any amino acid residue

459 &lt;220&gt; FEATURE:

461 &lt;221&gt; NAME/KEY: misc\_feature

463 &lt;222&gt; LOCATION: (31)..(33)

465 &lt;223&gt; OTHER INFORMATION: X is any amino acid residue

469 &lt;220&gt; FEATURE:

471 &lt;221&gt; NAME/KEY: misc\_feature

473 &lt;222&gt; LOCATION: (35)..(36)

## RAW SEQUENCE LISTING

DATE: 11/23/2004

PATENT APPLICATION: US/10/764,415B

TIME: 11:55:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11232004\J764415B.raw

475 <223> OTHER INFORMATION: X is any amino acid residue  
 479 <220> FEATURE:  
 481 <221> NAME/KEY: misc\_feature  
 483 <222> LOCATION: (39)..(39)  
 485 <223> OTHER INFORMATION: X is any amino acid residue  
 489 <220> FEATURE:  
 491 <221> NAME/KEY: misc\_feature  
 493 <222> LOCATION: (41)..(42)  
 495 <223> OTHER INFORMATION: X is any amino acid residue  
 499 <400> SEQUENCE: 3  
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 502 1 5 10 15  
 504 Arg Xaa Asp Xaa Phe Gly His Xaa Xaa Cys Xaa Xaa Xaa Gly Xaa Xaa  
 505 20 25 30  
 507 Xaa Cys Xaa Xaa Gly Trp Xaa Gly Xaa Xaa Cys  
 508 35 40  
 510 <210> SEQ ID NO: 4  
 512 <211> LENGTH: 175  
 514 <212> TYPE: PRT  
 516 <213> ORGANISM: Artificial Sequence  
 520 <220> FEATURE:  
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 524 <220> FEATURE:  
 526 <221> NAME/KEY: MISC\_FEATURE  
 528 <222> LOCATION: (1)..(4)  
 530 <223> OTHER INFORMATION: X is any amino acid  
 534 <220> FEATURE:  
 536 <221> NAME/KEY: MISC\_FEATURE  
 538 <222> LOCATION: (6)..(53)  
 540 <223> OTHER INFORMATION: X is any amino acid  
 544 <220> FEATURE:  
 546 <221> NAME/KEY: VARIANT  
 548 <222> LOCATION: (6)..(53)  
 550 <223> OTHER INFORMATION: Any of residues 6 -52 may be present or absent  
 554 <220> FEATURE:  
 556 <221> NAME/KEY: MISC\_FEATURE  
 558 <222> LOCATION: (55)..(66)  
 560 <223> OTHER INFORMATION: X is any amino acid  
 564 <220> FEATURE:  
 566 <221> NAME/KEY: VARIANT  
 568 <222> LOCATION: (57)..(66)  
 570 <223> OTHER INFORMATION: Any of residues 57-66 may be present or absent  
 574 <220> FEATURE:  
 576 <221> NAME/KEY: MISC\_FEATURE  
 578 <222> LOCATION: (68)..(137)  
 580 <223> OTHER INFORMATION: X is any amino acid  
 584 <220> FEATURE:  
 586 <221> NAME/KEY: VARIANT  
 588 <222> LOCATION: (68)..(137)

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/764,415B

DATE: 11/23/2004  
TIME: 11:55:37

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11232004\J764415B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,5,6,7,8,9,11,12,13,15,16,17,18,19,20,21,22,23,24,25  
Seq#:1; Xaa Pos. 27,28,29,30,31,32,33,35,36,37,38,39,40,41,42  
Seq#:2; Xaa Pos. 2,3,4,5,6,7,8,9,11,12,13,15,16,17,18,19,20,21,22,23,24,25  
Seq#:2; Xaa Pos. 27,28,29,30,31,32,33,35,36,37,38,39,40,41,42  
Seq#:3; Xaa Pos. 2,3,4,7,8,9,11,12,13,18,20,24,25,27,28,29,31,32,33,35,36  
Seq#:3; Xaa Pos. 39,41,42  
Seq#:4; Xaa Pos. 1,2,3,4,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:4; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42  
Seq#:4; Xaa Pos. 43,44,45,46,47,48,49,50,51,52,53,55,56,57,58,59,60,61,62  
Seq#:4; Xaa Pos. 63,64,65,66,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82  
Seq#:4; Xaa Pos. 83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101  
Seq#:4; Xaa Pos. 102,103,104,105,106,107,108,109,110,111,112,113,114,115  
Seq#:4; Xaa Pos. 116,117,118,119,120,121,122,123,124,125,126,127,128,129  
Seq#:4; Xaa Pos. 130,131,132,133,134,135,136,137,139,140,141,142,143,144  
Seq#:4; Xaa Pos. 146,147,150,151,152,153,154,155,156,157,158,159,160,161  
Seq#:4; Xaa Pos. 162,163,164,165,166,167,168,169,170,172,173,175  
Seq#:39; Xaa Pos. 891



## VERIFICATION SUMMARY

DATE: 11/23/2004

PATENT APPLICATION: US/10/764,415B

TIME: 11:55:37

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11232004\J764415B.raw

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
M:341 Repeated in SeqNo=2  
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
M:341 Repeated in SeqNo=3  
L:666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
M:341 Repeated in SeqNo=4  
L:2564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:880



IFWO

## RAW SEQUENCE LISTING

DATE: 11/18/2004

PATENT APPLICATION: US/10/764,415B

TIME: 09:34:49

Input Set : A:\P11073us seq list updated.ST25.txt

Output Set: N:\CRF4\11182004\J764415B.raw

5 <110> APPLICANT: Lorantis Ltd.  
 9 <120> TITLE OF INVENTION: Modulations of Notch signalling for use in Immunotherapy  
 13 <130> FILE REFERENCE: P011073US  
 17 <140> CURRENT APPLICATION NUMBER: 10/764,415B  
 C--> 19 <141> CURRENT FILING DATE: 2004-01-23  
 23 <150> PRIOR APPLICATION NUMBER: GB0118153.6  
 25 <151> PRIOR FILING DATE: 2001-07-01  
 29 <150> PRIOR APPLICATION NUMBER: GB0207930.9  
 31 <151> PRIOR FILING DATE: 2002-04-05  
 35 <150> PRIOR APPLICATION NUMBER: GB0212283.6  
 37 <151> PRIOR FILING DATE: 2002-05-28  
 41 <150> PRIOR APPLICATION NUMBER: GB0212282.8  
 43 <151> PRIOR FILING DATE: 2002-05-28  
 47 <160> NUMBER OF SEQ ID NOS: 40  
 51 <170> SOFTWARE: PatentIn version 3.0  
 55 <210> SEQ ID NO: 1  
 57 <211> LENGTH: 43  
 59 <212> TYPE: PRT  
 61 <213> ORGANISM: Artificial Sequence  
 65 <220> FEATURE:  
 67 <223> OTHER INFORMATION: DSL domain consensus  
 69 <220> FEATURE:  
 71 <221> NAME/KEY: MISC\_FEATURE  
 73 <222> LOCATION: (2)..(9)  
 75 <223> OTHER INFORMATION: N is any amino acid residue  
 79 <220> FEATURE:  
 81 <221> NAME/KEY: MISC\_FEATURE  
 83 <222> LOCATION: (11)..(13)  
 85 <223> OTHER INFORMATION: N is any amino acid residue  
 89 <220> FEATURE:  
 91 <221> NAME/KEY: MISC\_FEATURE  
 93 <222> LOCATION: (15)..(25)  
 95 <223> OTHER INFORMATION: N is any amino acid residue  
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 101 <221> NAME/KEY: MISC\_FEATURE  
 103 <222> LOCATION: (27)..(33)  
 105 <223> OTHER INFORMATION: N is any amino acid residue  
 109 <220> FEATURE:  
 111 <221> NAME/KEY: MISC\_FEATURE  
 113 <222> LOCATION: (35)..(42)  
 115 <223> OTHER INFORMATION: N is any amino acid residue  
 119 <400> SEQUENCE: 1

Does Not Comply  
Corrected Diskette Needed

pp 1, 4-6

Xaa (N is only used in nucleotide sequences)

W--> 121 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa

## RAW SEQUENCE LISTING

DATE: 11/18/2004

PATENT APPLICATION: US/10/764,415B

TIME: 09:34:49

Input Set : A:\P11073us seq list updated.ST25.txt

Output Set: N:\CRF4\11182004\J764415B.raw

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122 1           5           10           15
124 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
125           20           25           30
127 Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
128           35           40
130 <210> SEQ ID NO: 2
132 <211> LENGTH: 43
134 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
142 <223> OTHER INFORMATION: DSL consensus
144 <220> FEATURE:
146 <221> NAME/KEY: MISC_FEATURE
148 <222> LOCATION: (2)..(4) ✓
150 <223> OTHER INFORMATION: X is any amino acid residue
154 <220> FEATURE:
156 <221> NAME/KEY: MISC_FEATURE
158 <222> LOCATION: (5)..(6) ✓
160 <223> OTHER INFORMATION: X is any aromatic amino acid residue
164 <220> FEATURE:
166 <221> NAME/KEY: MISC_FEATURE
168 <222> LOCATION: (7)..(9) ✓
170 <223> OTHER INFORMATION: X is any amino acid residue
174 <220> FEATURE:
176 <221> NAME/KEY: MISC_FEATURE
178 <222> LOCATION: (11)..(13) ✓
180 <223> OTHER INFORMATION: X is any amino acid residue
184 <220> FEATURE:
186 <221> NAME/KEY: MISC_FEATURE
188 <222> LOCATION: (15)..(15) ✓
190 <223> OTHER INFORMATION: X is any basic amino acid residue
194 <220> FEATURE:
196 <221> NAME/KEY: MISC_FEATURE
198 <222> LOCATION: (16)..(16) ✓
200 <223> OTHER INFORMATION: X is any non polar amino acid residue
204 <220> FEATURE:
206 <221> NAME/KEY: MISC_FEATURE
208 <222> LOCATION: (17)..(17) ✓
210 <223> OTHER INFORMATION: X is any basic amino acid residue
214 <220> FEATURE:
216 <221> NAME/KEY: MISC_FEATURE
218 <222> LOCATION: (18)..(19) ✓
220 <223> OTHER INFORMATION: X is Asp, Asn, Glu or Gln
224 <220> FEATURE:
226 <221> NAME/KEY: MISC_FEATURE
228 <222> LOCATION: (20)..(20) ✓
230 <223> OTHER INFORMATION: X is any amino acid residue
234 <220> FEATURE:
236 <221> NAME/KEY: MISC_FEATURE

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## RAW SEQUENCE LISTING

DATE: 11/18/2004

PATENT APPLICATION: US/10/764,415B

TIME: 09:34:49

Input Set : A:\P11073us seq list updated.ST25.txt

Output Set: N:\CRF4\11182004\J764415B.raw

238 <222> LOCATION: (21)..(21)  
240 <223> OTHER INFORMATION: X is any aromatic amino acid residue  
244 <220> FEATURE:  
246 <221> NAME/KEY: MISC\_FEATURE  
248 <222> LOCATION: (22)..(22)  
250 <223> OTHER INFORMATION: X is any non polar amino acid residue  
254 <220> FEATURE:  
256 <221> NAME/KEY: MISC\_FEATURE  
258 <222> LOCATION: (23)..(23)  
260 <223> OTHER INFORMATION: X is any aromatic amino acid residue  
264 <220> FEATURE:  
266 <221> NAME/KEY: MISC\_FEATURE  
268 <222> LOCATION: (24)..(25)  
270 <223> OTHER INFORMATION: X is any amino acid residue  
274 <220> FEATURE:  
276 <221> NAME/KEY: MISC\_FEATURE  
278 <222> LOCATION: (27)..(29)  
280 <223> OTHER INFORMATION: X is any amino acid residue  
284 <220> FEATURE:  
286 <221> NAME/KEY: MISC\_FEATURE  
288 <222> LOCATION: (30)..(30)  
290 <223> OTHER INFORMATION: X is any non polar amino acid residue  
294 <220> FEATURE:  
296 <221> NAME/KEY: MISC\_FEATURE  
298 <222> LOCATION: (31)..(33)  
300 <223> OTHER INFORMATION: X is any amino acid residue  
304 <220> FEATURE:  
306 <221> NAME/KEY: MISC\_FEATURE  
308 <222> LOCATION: (35)..(36)  
310 <223> OTHER INFORMATION: X is any amino acid residue  
314 <220> FEATURE:  
316 <221> NAME/KEY: MISC\_FEATURE  
318 <222> LOCATION: (38)..(38)  
320 <223> OTHER INFORMATION: X is any aromatic amino acid residue  
324 <220> FEATURE:  
326 <221> NAME/KEY: MISC\_FEATURE  
328 <222> LOCATION: (37)..(37)  
330 <223> OTHER INFORMATION: X is any non polar amino acid residue  
334 <220> FEATURE:  
336 <221> NAME/KEY: MISC\_FEATURE  
338 <222> LOCATION: (39)..(39)  
340 <223> OTHER INFORMATION: X is any amino acid residue  
344 <220> FEATURE:  
346 <221> NAME/KEY: MISC\_FEATURE  
348 <222> LOCATION: (40)..(40)  
350 <223> OTHER INFORMATION: X is any non polar amino acid residue  
354 <220> FEATURE:  
356 <221> NAME/KEY: MISC\_FEATURE  
358 <222> LOCATION: (41)..(42)

## RAW SEQUENCE LISTING

DATE: 11/18/2004

PATENT APPLICATION: US/10/764,415B

TIME: 09:34:49

Input Set : A:\P11073us seq list updated.ST25.txt

Output Set: N:\CRF4\11182004\J764415B.raw

360 <223> OTHER INFORMATION: X is any amino acid residue  
 364 <400> SEQUENCE: 2  
 W--> 366 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa  
 367 1 5 10 15  
 369 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa  
 370 20 25 30  
 372 Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys  
 373 35 40  
 375 <210> SEQ ID NO: 3  
 377 <211> LENGTH: 43  
 379 <212> TYPE: PRT  
 381 <213> ORGANISM: Artificial Sequence  
 385 <220> FEATURE:  
 387 <223> OTHER INFORMATION: DSL consensus  
 389 <220> FEATURE:  
 391 <221> NAME/KEY: misc\_feature  
 393 <222> LOCATION: (2)..(4)  
 395 <223> OTHER INFORMATION: X is any amino acid residue  
 399 <220> FEATURE:  
 401 <221> NAME/KEY: misc\_feature  
 403 <222> LOCATION: (7)..(9)  
 405 <223> OTHER INFORMATION: X is any amino acid residue  
 409 <220> FEATURE:  
 411 <221> NAME/KEY: misc\_feature  
 413 <222> LOCATION: (11)..(13)  
 415 <223> OTHER INFORMATION: X is any amino acid residue  
 419 <220> FEATURE:  
 421 <221> NAME/KEY: misc\_feature  
 423 <222> LOCATION: (18)..(18)  
 425 <223> OTHER INFORMATION: X is either aspartic acid or asparagine  
 429 <220> FEATURE:  
 431 <221> NAME/KEY: misc\_feature  
 433 <222> LOCATION: (20)..(20)  
 435 <223> OTHER INFORMATION: X is any amino acid residue  
 439 <220> FEATURE:  
 441 <221> NAME/KEY: misc\_feature  
 443 <222> LOCATION: (24)..(25)  
 445 <223> OTHER INFORMATION: X is any amino acid residue  
 449 <220> FEATURE:  
 451 <221> NAME/KEY: misc\_feature  
 453 <222> LOCATION: (27)..(29)  
 455 <223> OTHER INFORMATION: X is any amino acid residue  
 459 <220> FEATURE:  
 461 <221> NAME/KEY: misc\_feature  
 463 <222> LOCATION: (31)..(33)  
 465 <223> OTHER INFORMATION: X is any amino acid residue  
 469 <220> FEATURE:  
 471 <221> NAME/KEY: misc\_feature  
 473 <222> LOCATION: (35)..(36)

## RAW SEQUENCE LISTING

DATE: 11/18/2004

PATENT APPLICATION: US/10/764,415B

TIME: 09:34:49

Input Set : A:\P11073us seq list updated.ST25.txt

Output Set: N:\CRF4\11182004\J764415B.raw

475 <223> OTHER INFORMATION: X is any amino acid residue  
 479 <220> FEATURE:  
 481 <221> NAME/KEY: misc\_feature  
 483 <222> LOCATION: (39)..(39)  
 485 <223> OTHER INFORMATION: X is any amino acid residue  
 489 <220> FEATURE:  
 491 <221> NAME/KEY: misc\_feature  
 493 <222> LOCATION: (40)..(42) → (41) Gly is at location 40  
 495 <223> OTHER INFORMATION: X is any amino acid residue  
 499 <400> SEQUENCE: 3  
 W--> 501 Cys Xaa Xaa Xaa Tyr Tyr Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Arg Pro  
 502 1 5 10 15  
 504 Arg Xaa Asp Xaa Phe Gly His Xaa Xaa Cys Xaa Xaa Xaa Gly Xaa Xaa  
 505 20 25 30  
 507 Xaa Cys Xaa Xaa Gly Trp Xaa Gly Xaa Xaa Cys  
 508 35 40  
 510 <210> SEQ ID NO: 4  
 512 <211> LENGTH: 175  
 514 <212> TYPE: PRT  
 516 <213> ORGANISM: Artificial Sequence  
 520 <220> FEATURE:  
 522 <223> OTHER INFORMATION: EGF-like domain  
 524 <220> FEATURE:  
 526 <221> NAME/KEY: MISC\_FEATURE  
 528 <222> LOCATION: (1)..(4)  
 530 <223> OTHER INFORMATION: X is any amino acid  
 534 <220> FEATURE:  
 536 <221> NAME/KEY: MISC\_FEATURE  
 538 <222> LOCATION: (6)..(53)  
 540 <223> OTHER INFORMATION: X is any amino acid  
 544 <220> FEATURE:  
 546 <221> NAME/KEY: VARIANT  
 548 <222> LOCATION: (6)..(53)  
 550 <223> OTHER INFORMATION: Any of residues 6 -52 may be present or absent  
 554 <220> FEATURE:  
 556 <221> NAME/KEY: MISC\_FEATURE  
 558 <222> LOCATION: (55)..(66)  
 560 <223> OTHER INFORMATION: X is any amino acid  
 564 <220> FEATURE:  
 566 <221> NAME/KEY: VARIANT  
 568 <222> LOCATION: (57)..(66)  
 570 <223> OTHER INFORMATION: Any of residues 57-66 may be present or absent  
 574 <220> FEATURE:  
 576 <221> NAME/KEY: MISC\_FEATURE  
 578 <222> LOCATION: (68)..(137)  
 580 <223> OTHER INFORMATION: X is any amino acid  
 584 <220> FEATURE:  
 586 <221> NAME/KEY: VARIANT  
 588 <222> LOCATION: (68)..(137)

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/764,415B

DATE: 11/18/2004  
TIME: 09:34:50

Input Set : A:\P11073us seq list updated.ST25.txt  
Output Set: N:\CRF4\11182004\J764415B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. ~~2,3,4,5,6,7,8,9,11,12,13,15,16,17,18,19,20,21,22,23,24,25~~  
Seq#:1; Xaa Pos. ~~27,28,29,30,31,32,33,35,36,37,38,39,40,41,42~~  
Seq#:2; Xaa Pos. ~~2,3,4,5,6,7,8,9,11,12,13,15,16,17,18,19,20,21,22,23,24,25~~  
Seq#:2; Xaa Pos. ~~27,28,29,30,31,32,33,35,36,37,38,39,40,41,42~~  
Seq#:3; Xaa Pos. ~~2,3,4,7,8,9,11,12,13,16,20,24,25,27,28,29,31,32,33,35,36~~  
Seq#:3; Xaa Pos. ~~38,41,42~~  
Seq#:4; Xaa Pos. ~~1,2,3,4,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23~~  
Seq#:4; Xaa Pos. ~~24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42~~  
Seq#:4; Xaa Pos. ~~43,44,45,46,47,48,49,50,51,52,53,55,56,57,58,59,60,61,62~~  
Seq#:4; Xaa Pos. ~~63,64,65,66,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82~~  
Seq#:4; Xaa Pos. ~~83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101~~  
Seq#:4; Xaa Pos. ~~102,103,104,105,106,107,108,109,110,111,112,113,114,115~~  
Seq#:4; Xaa Pos. ~~116,117,118,119,120,121,122,123,124,125,126,127,128,129~~  
Seq#:4; Xaa Pos. ~~130,131,132,133,134,135,136,137,139,140,141,142,143,144~~  
Seq#:4; Xaa Pos. ~~146,147,150,151,152,153,154,155,156,157,158,159,160,161~~  
Seq#:4; Xaa Pos. ~~162,163,164,165,166,167,168,169,170,172,173,175~~  
Seq#:39; Xaa Pos. 891

## VERIFICATION SUMMARY

DATE: 11/18/2004

PATENT APPLICATION: US/10/764,415B

TIME: 09:34:50

Input Set : A:\P11073us seq list updated.ST25.txt

Output Set: N:\CRF4\11182004\J764415B.raw

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
M:341 Repeated in SeqNo=2  
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
M:341 Repeated in SeqNo=3  
L:666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
M:341 Repeated in SeqNo=4  
L:2564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:880